

CLAIMS

1. A cable (4)-operated control mechanism used to operate a remote member and intended for a construction machine or the like, of the type of mechanism comprising a casing (3) housing a control member from which emerges the proximal end of said control member, forming a control stick (1) configured as a grip (2) to be grasped by the user in order to be maneuvered between an idle position (A1) and at least one working position (A2) in which said cable (4) acts against a resisting force exerted by said remote member to be operated, said control stick (1) being articulated to said casing (3) so that it is movable between said positions and being connected to an operating member for operating said cable (4) that is housed inside said casing (3) and to which said cable (4) is anchored, characterized:

in that said control member is composed of at least two abutting segments articulated to each other, namely a proximal segment constituting said control stick (1) and a distal segment formed of an elastically deformable member that bears articulatedly against said casing (3) to constitute an assist member (5) for assisting the operation of said control stick (1), such that in idle position, said control stick (1) and said assist member (5) are disposed coaxially in prolongation of each other so as to place said assist member (5) under stress, and in that the changeover from said idle position to a working position is effected by tilting said control stick (1), which is then pushed at its base by said assist member (5).

2. The cable-operated control mechanism as in claim 1, characterized:

in that said assist member (5) is any one of the devices in the group of devices comprising compression springs and gas cylinders.
3. The cable-operated control mechanism as in any one of the preceding claims, characterized:

in that said assist member (5) being a gas cylinder, it (5) is articulated at its corresponding bottom (8) and head (9) ends to a respective one of said casing (3) and said control stick (1).

4. The cable-operated control mechanism as in any one of the preceding claims, characterized:

in that said assist member (5) is articulated omnidirectionally to said casing (3) and to said control stick (1) by means of respective ball joints (6, 7).

5. The cable-operated control mechanism as in any one of the preceding claims, characterized:

in that it is equipped with means (1) for adjusting the stroke of said assist member (5).

6. The cable-operated control mechanism as in claim 5, characterized:

in that said means for adjusting the stroke of said assist member are constituted by configuring a support member (1) bearing against the casing of said assist member (5) as a member for adjusting the distance separating the ends (8, 9) thereof (5) from each other.

7. The cable-operated control mechanism as in claim 6, characterized:

in that the configuration of said support member (1) to permit adjustment of the stroke of said assist member (5) is constituted by a threaded connection between said support member (5) and said casing (3) from which it emerges, so that the desired adjustment can be made from outside said casing (3).